Appl. No. 10/731,452

Supp. Amdt. dated January 13, 2005

Reply to Notice of Non-Compliant Amendment dated December 15, 2004

## **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

# **Listing of Claims:**

- [c1] (Original) A five layer shrink film comprising:
  - a first outer polyethylenic layer;
  - a second outer polyethylenic layer;
  - a core polystyrenic layer;
  - a first polystyrene compatibilizing layer between the core polystyrenic layer and the first outer polyethylenic layer; and
  - a second polystyrene compatibilizing layer between the core polystyrenic layer and the second outer polyethylenic layer;
  - wherein the polystyrene compatabilizing layers comprise less than 1% by weight substantially random interpolymer.
- [c2] (Original) The film of claim 1 wherein the polyethylenic layers comprise at least 80% linear low density polyethylene copolymer.
- [c3] (Original) The film of claim 2 wherein the linear low density polyethylene copolymer is a copolymer comprising from 1 to 10 weight percent1-octene monomer.
- [c4] (Original) The film of claim 1 wherein the polystyrenic layers comprise from 70% to 90% polystyrenic polymer and from 10% to 15% polystyrene toughener by weight of the layer.

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- [c5] (Original) The film of claim 4 wherein the polystyrene toughener is selected from the group of tougheners consisting of styrene-isoprene diblock copolymer, styrene-isoprene triblock copolymer, and blends of styrene-isoprene diblock copolymer and styrene-isoprene triblock copolymer.
- [c6] (Original) The film of claim 4 wherein the polystyrenic layer further comprises 5 to 6% slip additives selected from the group of slip additives consisting of primary amides, secondary amides, ethylenebisamides and 13-docosenamide.
- [c7] (Original) The film of claim 1 wherein the polystyrenic compatibilizing layers comprise from 70% to 90% linear low density polyethylene copolymer and from 5% to 20% of an adhesive resin used as a polystyrene compatibilizing agent, by weight of the layer.
- [c8] (Original) The film of claim 7 wherein the adhesive resin is selected from the group of adhesive resins consisting of styrene-ethylene butylene-styrene block copolymer, anhydride-modified ethylene vinyl acetate, styrene-butadiene block copolymer, styrene-butadiene rubber, butadiene rubber, styrene-isoprene block copolymer, hydrogenated styrene-isoprene block copolymer, and styrene-butadiene-methyl methacrylate copolymer.
- [c9] (Withdrawn) A method of forming a five layer shrink film comprising two outer most polyethylenic layers, an innermost polystyrenic layer and a polystyrene compatibilizing layer situate between each outermost

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polyethylenic layer and the core polystyrenic layer comprising less than 1% by weight substantially random interpolymer, the method comprising of:

feeding individual layer compositions into 3 or more separate extruders; extruding the compositions simultaneously into a biaxial film orienting means; and

biaxially orienting the film to a thickness of 40 to 100 gauge; wherein a separate extruder extrudes a single homogenous composition.

- [c10] (Withdrawn) The method of claim 9 wherein the biaxial film orienting means consists of a double-bubble film orienting process.
- [c11] (Withdrawn) The method of claim 9 wherein the polyethylenic layers comprise at least 80% linear low density polyethylene copolymer.
- [c12] (Withdrawn) The method of claim 11 wherein the linear low density polyethylene copolymer is a copolymer comprising from 1 to 10 weight percent 1-octene monomer.
- [c13] (Withdrawn) The method of claim 9 wherein the polystyrenic layers comprise from 70% to 90% polystyrenic polymer and from 10% to 15% polystyrene toughener by weight of the layer.
- [c14] (Withdrawn) The method of claim 13 wherein the polystyrene toughener is selected from the group of tougheners consisting of styrene-isoprene diblock copolymer, styrene-isoprene triblock copolymer, and blends of

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Reply to Notice of Non-Compliant Amendment dated December 15, 2004 styrene-isoprene diblock copolymer and styrene-isoprene triblock copolymer.

- [c15] (Withdrawn) The method of claim 13 wherein the polystyrenic layer further comprises 5 to 6% slip additives selected from the group of slip additives consisting of primary amides, secondary amides, ethylenebisamides and 13-docosenamide.
- [c16] (Withdrawn) The method of claim 9 wherein the polystyrenic compatibilizing layers comprise from 70% to 90% linear low density polyethylene copolymer and from 5% to 20% of an adhesive resin used as a polystyrene compatibilizing agent, by weight of the layer.
- [c17] (Withdrawn) The method of claim 16 wherein the adhesive resin is selected from the group of adhesive resins consisting of styrene-ethylene butylene-styrene block copolymer, anhydride-modified ethylene vinyl acetate, styrene-butadiene block copolymer, styrene-butadiene rubber, butadiene rubber, styrene-isoprene block copolymer, hydrogenated styrene-isoprene block copolymer, and styrene-butadiene-methyl methacrylate copolymer.
- [c18] (Withdrawn) A five layer shrink film comprising:
  - a first outer polystyrenic layer;
  - a second outer polystyrenic layer;
  - a core polyethylenic layer;

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  - a first polystyrene compatibilizing layer between the core polyethylenic layer and the first outer polystyrenic layer; and
  - a second polystyrene compatibilizing layer between the core polyethylenic layer and the second outer polystyrenic layer;
  - wherein the polystyrene compatabilizing layers comprise less than 1% by weight substantially random interpolymer.
- [c19] (Withdrawn) The film of claim 18 wherein the polyethylenic layers comprise at least 80% linear low density polyethylene copolymer.
- [c20] (Withdrawn) The film of claim 19 wherein the linear low density polyethylene copolymer is a copolymer comprising from 1 to 10 weight percent 1-octene monomer.
- [c21] (Withdrawn) The film of claim 18 wherein the polystyrenic layers comprise from 70% to 90% polystyrenic polymer and from 10% to 15% polystyrene toughener by weight of the layer.
- [c22] (Withdrawn) The film of claim 21 wherein the polystyrene toughener is selected from the group of tougheners consisting of styrene-isoprene diblock copolymer, styrene-isoprene triblock copolymer, and blends of styrene-isoprene diblock copolymer and styrene-isoprene triblock copolymer.
- [c23] (Withdrawn) The film of claim 21 wherein the polystyrenic layer further comprises 5 to 6% slip additives selected from the group of slip additives

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consisting of primary amides, secondary amides, ethylenebisamides and 13-docosenamide.

- [c24] (Withdrawn) The film of claim 18 wherein the polystyrenic compatibilizing layers comprise from 70% to 90% linear low density polyethylene copolymer and from 5% to 20% of an adhesive resin used as a polystyrene compatibilizing agent, by weight of the layer; and wherein the adhesive resin is selected from the group of adhesive resins consisting of styrene-ethylene butylene-styrene block copolymer, anhydride-modified ethylene vinyl acetate, styrene-butadiene block copolymer, styrene-butadiene rubber, butadiene rubber, styrene-isoprene block copolymer, hydrogenated styrene-isoprene block copolymer, and styrene-butadiene-methyl methacrylate copolymer.
- [c25] (Original) A five layer shrink film comprising:
  - a first outer polyethylenic layer comprising 15 to 25% by weight of the film; a second outer polyethylenic layer comprising 15 to 25% by weight of the film;
  - a core polystyrenic layer comprising 30 to 50% by weight of the film;
    a first polystyrene compatibilizing layer between the core polystyrenic
    layer and the first outer polyethylenic layer comprising 10 to 25% by
    weight of the film;

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- a second polystyrene compatibilizing layer between the core polystyrenic layer and the second outer polyethylenic layer comprising 10 to 25% by weight of the film;
- wherein the polystyrene layer comprise 70% to 90% polystyrenic polymer; from 10% to 15% polystyrene toughener and from 5% to 6% slip additive, by weight of the layer;
- wherein the polystyrene compatabilizing layers comprise less than 1% by weight substantially random interpolymer; and
- wherein the polystyrene compatabilizing layers comprise 5% to 20% anhydride-modified ethylene vinyl acetate, by weight of the layer.
- [c26] (Original) A five layer shrink film comprising:
  - a first outer polyethylenic layer comprising 15 to 25% by weight of the film; a second outer polyethylenic layer comprising 15 to 25% by weight of the film;
  - a core polystyrenic layer comprising 30 to 50% by weight of the film;
  - a first polystyrene compatibilizing layer between the core polystyrenic layer and the first outer polyethylenic layer comprising 10 to 25% by weight of the film;
  - a second polystyrene compatibilizing layer between the core polystyrenic layer and the second outer polyethylenic layer comprising 10 to 25% by weight of the film;

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wherein the polystyrene layer comprise 70% to 90% polystyrenic polymer; from 10% to 15% polystyrene toughener and from 5% to 6% slip additive, by weight of the layer;

wherein the polystyrene compatabilizing layers comprise less than 1% by weight interpolymer; and

wherein the polystyrene compatabilizing layers comprise 5% to 20% styrene-ethylene butylene-styrene block copolymer.